

Claims

1. A shaking incubator with at least one specimen storage device comprising several superposed specimen storage spaces, characterized in that a shaking unit (4) comprising a specimen storage position (5), a shaking platform (6), and a base unit (7) is arranged in at least one specimen storage space (3).
2. The shaking incubator according to Claim 1, characterized in that the base unit (7) of the at least one shaking unit (4) is permanently connected to the specimen storage device (2).
3. The shaking incubator according to Claim 1, characterized in that a detachable holder for the at least one shaking unit (4) of a specimen storage device is formed at a specimen storage space (3) in such a manner that the at least one shaking unit (4) can be removed as required from the specimen storage device (2).
4. The shaking incubator according to one of the previous claims, characterized in that the specimen storage position (5) of the at least one shaking unit (4) is designed for a specimen (10) to be supplied by means of an automated transport system (19) and for a specimen (10) to be removed from the specimen storage position (5) by an automated transport system (19).
5. The shaking incubator according to Claim 4, characterized in that the specimen storage position (5) of the at least one shaking unit (4) comprises a spacer element (8), arranged on the shaking platform (6), which creates free space for manipulating a specimen (10) located in the specimen storage position (5).
6. The shaking incubator according to one of the previous claims, characterized in that the specimen storage position (5) of the at least one shaking unit (4) comprises at least one clamping element (9) arranged on the shaking platform (6) or on the spacer element (8).
7. The shaking incubator according to one of the previous claims, characterized in that at least one control unit (11) for controlling and supplying current to the at least one shaking unit (4) is arranged outside of the incubator workspace (20), from which control unit a control/supply line (12) runs into the incubator workspace (20), this control supply line (12) having a line connector (13) in the incubator workspace (20).

8. The shaking incubator according to Claim 7, characterized in that the at least one shaking unit (4) is connected via a detachable line connection to the line connector (13) of the at least one control unit (11).

9. The shaking incubator according to Claim 7 or 8, characterized in that a distributor unit (15) for connecting several shaking units (4) is arranged in the incubator workspace (20) and is connected via a detachable line connection (16) to the line connector (13).

10. The shaking incubator according to Claims 7 to 9, characterized in that a distributor unit (15) for connecting several shaking units (4) is arranged on a specimen storage device (2).

11. The shaking incubator according to Claims 7 to 10, characterized in that a distributor unit (15) for connecting several shaking units (4) is arranged on several specimen storage devices (2).

12. The shaking incubator according to one of the previous claims, characterized in that the shaking platform (6) of a shaking unit (4) is positioned automatically in a central zero position after the power has been turned off.

13. The shaking incubator according to one of the previous claims, characterized in that a shaking unit (4) is arranged in several specimen storage spaces (3) and that the shaking platforms (6) of these shaking units (4) can be controlled individually and independently of each other by the at least one control unit (11).